

Amendments to the Claims:

This listing of claims will replace all prior versions and listings of claims in the application:

Listing of Claims:

1. (currently amended) A solid electrolyte battery comprising:
a positive electrode;
a negative electrode disposed opposite to said positive electrode;
a separator disposed between said positive electrode and said negative electrode;
and

at least one solid electrolyte disposed between said positive electrode and said separator and at least one solid electrolyte disposed between said separator and said negative electrode wherein said solid electrolyte comprises a mixture of a polymer and a swelling solvent present in a ratio of from ~~about~~ 1:5 to ~~about~~ 1:10;

wherein said separator comprises a polyolefin porous film having a thickness of from ~~about~~ 5 μm to ~~about~~ 15 μm and a volume porosity of from ~~about~~ 25% to ~~about~~ 60%;

wherein the impedance in said solid electrolyte battery is greater than the impedance realized at the room temperature when the temperature of said solid electrolyte battery is from ~~about~~ 100°C to ~~about~~ 160°C; and

wherein said solid electrolyte has a thickness of from ~~about~~ 5 μm to ~~about~~ 19 μm .

2. (previously presented) A solid electrolyte battery according to claim 1, wherein said porous polyolefin film contains polyethylene.

3. (original) A solid electrolyte battery according to claim 1, wherein said solid electrolyte is a gel electrolyte containing swelling solvent.

4. (original) A solid electrolyte battery according to claim 1, wherein said electrodes consist of a positive electrode using lithium ions as electrode reaction species and a negative electrode constituted by a carbonaceous material.

5. (original) A solid electrolyte battery according to claim 3, wherein said solid electrolyte is a gel electrolyte containing ethylene carbonate, polypropylene carbonate and LiPF_6 .

6. (previously presented) A solid electrolyte battery according to claim 5, wherein said solid electrolyte is a gel electrolyte further containing vinylene carbonate and/or 2,4-difluoroanisole.

7. (previously presented) A solid electrolyte battery according to claim 6, wherein the content of each of vinylene carbonate and 2,4-difluoroanisole is not greater than 5 wt% of the overall weight of said electrolyte.

8. (original) A solid electrolyte battery according to claim 7, wherein a gel electrolyte is employed which is constituted by polyvinylidene fluoride or a copolymer of polyvinylidene fluoride.

9. (original) A solid electrolyte battery according to claim 8, wherein a copolymer is used which contains polyvinylidene fluoride and polyhexafluoropolypropylene.

10. (previously presented) A solid electrolyte battery according to claim 9, wherein said gel electrolyte is composed of a copolymer constituted by polyvinylidene fluoride and polyhexafluoropolypropylene such that polyhexafluoropolypropylene is contained in a quantity greater than 8 wt%.

11-38. (canceled)